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A real-time continuous **gesture** recognition system for **sign** language

RH Liang, M Ouhyoung - Automatic Face and Gesture Recognition, 1998. Proceedings. ..., 1998 - ieeexplore.ieee.org
... listed in the previous subsection as **input** of HMMs ... Recognition of Space-**Time**
Hand-**Gestures** using Hidden Markov ... Figure A.3. Eight motion **types** in Taiwanese **Sign** ...
Cited by 141 - Related articles - Web Search - All 6 versions

Integration and synchronization of **input** modes during multimodal human-computer interaction - •upenn.edu [PDF]

S Oviatt, A DeAngeli, K Kuhn - Proceedings of the SIGCHI conference on Human factors in ..., 1997 - portal.acm.org
... Task Action Analysis Figure 2 illustrates that **type** of task ... re 2. They tended to
involve graphic **input** to M ... unimodally-ranging between 51 and 7770 of the **time**. ...
Cited by 300 - Related articles - Web Search - BL Direct - All 21 versions

Real-Time American **Sign** Language Recognition Using Desk and Wearable Computer Based Video - •minnen.org [PDF]

T Starner, J Weaver, A Pentland - IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE ..., 1998 - doi.
ieeecomputersociety.org
... While there are many different **types** of **gestures**, the ... The resulting information is
input to a HMM ... In addition, the real-**time** recognition techniques described ...
Cited by 409 - Related articles - Web Search - BL Direct - All 21 versions

Vision-Based **Gesture** Recognition: A Review - •uiuc.edu [PS]

Y Wu, TS Huang - Urbana, 1999 - Springer
... HMM is a **type** of statistical model. ... F., Coutaz,J.: Finger Tracking as An **Input** Device
for ... Liang, R., Ouhyoung, M.: A Real-**time** Continuous **Gesture** Recognition ...
Cited by 147 - Related articles - Web Search - BL Direct - All 8 versions

A dynamic **gesture** recognition system for the Korean **sign** language (KSL)

JS Kim, W Jang, Z Bien - Systems, Man and Cybernetics, Part B, IEEE Transactions on, 1996 - ieeexplore.ieee.org
... of hands and fingers are used: one **type** consists of ... effectiveness of hardware versus
real-**time** processing capability ... system is adopted as an **input** sensing device ...
Cited by 98 - Related articles - Web Search - BL Direct - All 3 versions

[CITATION] A **sign** language recognition system using hidden markov model and context sensitive search

RH Liang, M Ouhyoung - Proceedings of the ACM Symposium on Virtual Reality Software ...
Cited by 46 - Related articles - Web Search

Visual recognition of American **sign** language using hidden Markov models - •mit.edu [PDF]

T Starner - 1995 - dspace.mit.edu
... orientation, and trajectory information is then **input** to an ... However, hand annotation
is a **time**-consuming process ... adds another dimension to the **types** of features ...
Cited by 499 - Related articles - Web Search - Library Search - All 19 versions

[CITATION] ... and constraints in early lexical acquisition: Evidence from children's early language and **gesture**

LA Petitto - Modularity and constraints in language and cognition, 1992
Cited by 30 - Related articles - Web Search

Gesture recognition using recurrent neural networks

K Murakami, H Taguchi - Proceedings of the SIGCHI conference on Human factors in ..., 1991 - portal.acm.org

... There are several **types** of human **gestures** human ... Context layer **input** data ; **input**
data : **input** data at ... Data Glove and determines the starting **time** of sampling. ...

Cited by 125 - Related articles - Web Search - All 5 versions

Real-Time American **Sign** Language Recognition from Video Using Hidden Markov Models - ×gatech.edu [PDF]

T Starner, A Pentland - COMPUTATIONAL IMAGING AND VISION, 1997 - doi.ieeecomputersociety.org

... shape, orientation, and trajectory information is then **input** to a ... at a rate five
times faster than real **time**. ... absolute number of errors of each **type** are listed ...

Cited by 292 - Related articles - Web Search - BL Direct - All 19 versions

Key authors: **T Starner** - **A Pentland** - **S Oviatt** - **J Weaver** - **J Cassell**

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